

KUTEYNIKOV, Ye.S.; SYAGAYEV, N.A.

Tectonic pattern and the history of the development of the
Kyutingde transverse trough. Trudy NIIGA 130:83-90 '62.

(MIRA 16'5)

(Kyutingde Valley—Geology, Structural)

KUTEYNIKOV, Ye.S.; NATAPOV, L.M.

New data on the tectonics of the northeastern edge of the Siberian Platform. Dokl. AN SSSR 149 no. 6:1405-1408 Ap '63. (MIRA 16:7)

1. Vsesoyuznyy aerologicheskiy trest. Predstavleno akademikom D.I. Shcherbakovym.

(Siberian Platform—Geology, Structural)

KUTEYNIKOV, Ye.S.; ISTRATOV, V.V.

Recent data on the tectonics of the Kyutingde transverse trough
in the Northeast of the Siberian Platform. Dokl. AN SSSR 148
no.2:414-417 Ja '63. (MIRA 1642)

1. Vsesoyuznyy aerogeologicheskiy trest i Tsentral'naya kompleksnaya
geofizicheskaya ekspedititsya Yakutskogo geologicheskogo upravleniya.
Predstavleno akademikom D.I. Shcherbakovym.
(Kyutingde Valley--Geology, Structural)

OVCHINNIKOV, B.A.; KUTEYNIKOVA, L.P.

Experimental manufacture of woodpulp from aspen. Bum.prom. 37
no.12:18-20 D '62. (MIRA 16:1)

1. Kaliningradskiy sovet narodnogo khozyaystva (for Ovchinnikov).
2. Vtoroy Kaliningradskiy kombinat (for Kuteynikova).
(Woodpulp industry--Research) (Aspen)

KUTEYSHCHIKOV, G.N.; KIRSHENBAUM, Ya.S.

Experiment of placing small boilers under automatic control. From.
energ. 15 no.9:18-22 S '60. (MIRA 13:10)
(Boilers) (Automatic control)

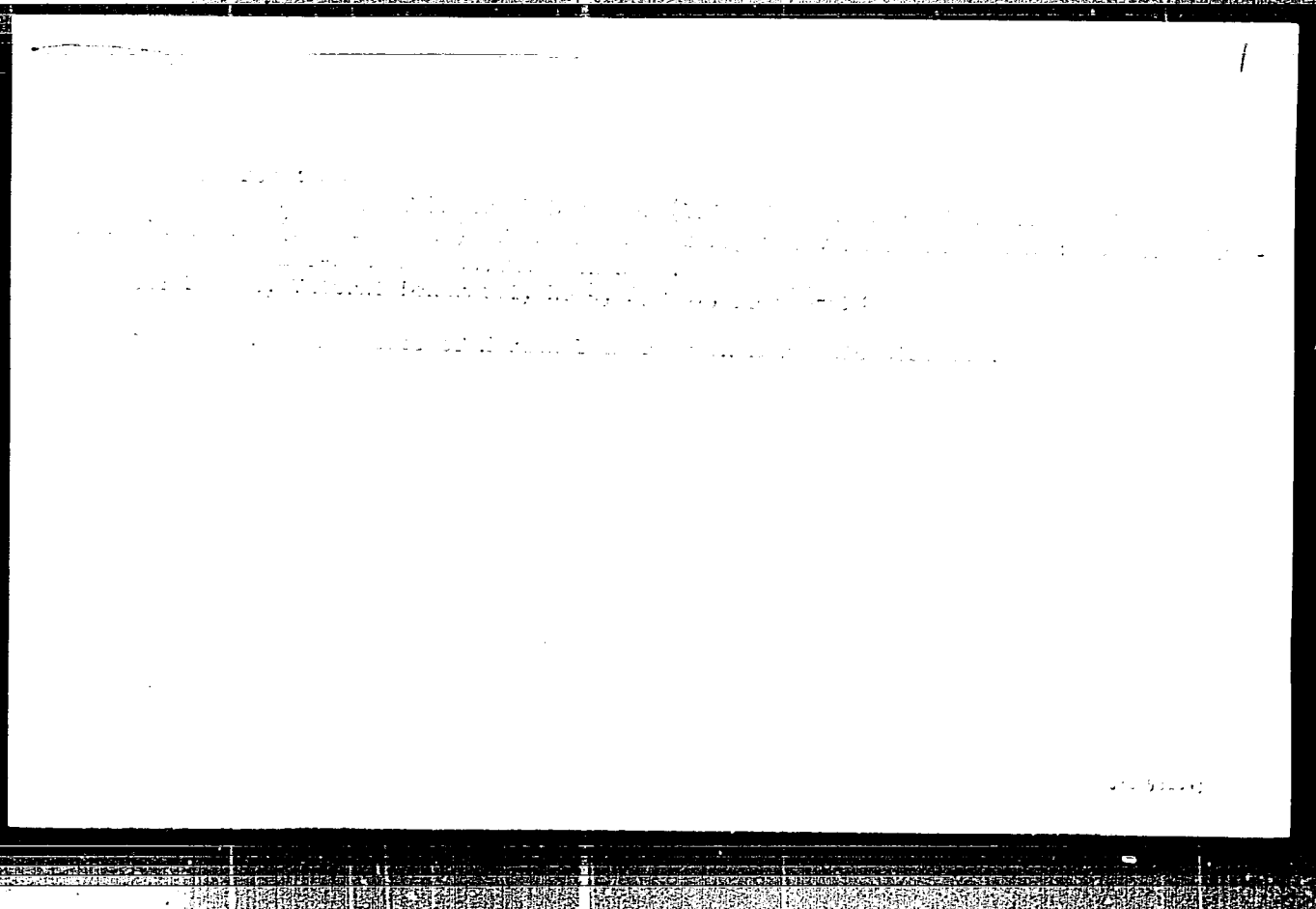
KUTHAN, Frantisek; SYTAROVA, Josefa

Hemagglutination test in progressive chronic polyarthritis.
Vnitr. lek., Brno 1 no.3:203-208 Mar 55.

1. Z reumatologickeho oddeleni KUNZ v Brne--prednosta MUDr.
Frant. Kuthan, Brno, Gorkeho 26.
(ARTHRITIS, RHEUMATOID, blood in
hemagglutination test.)
(HEMAGGLUTINATION, in various diseases
arthritis, rheum., test.)

EXCERPTA MEDICA Sec. 6 Vol. 11/4 Apr. 57
KUTHAN F.

2895. KUTHAN F. Reumatol. Odd. KUNZ, Brno; Ortop. Odd. KUNZ, Brno
*Klinický význam místního léčení hydrokortisonacetátem. The clinical
importance of local treatment with hydrocortisone
acetate VNITŘ. LEK. 1956, 2/3 (272-277) Tables I Illus. I
Out of 120 cases of articular and periarticular diseases treated with local injections of hydrocortisone acetate 30 patients were completely cured, 42 improved considerably and 39 showed less evident improvement. The improvement following one injection lasted approximately 9 days.



RUTHAN TROMBER

1. The first of the two main parts of the report is a description of the work done during the past year. This part is divided into two sections, one for the work done during the first half of the year and one for the work done during the second half of the year. The second part of the report is a description of the work done during the past year. This part is divided into two sections, one for the work done during the first half of the year and one for the work done during the second half of the year.

HENNINGSEN, F.; JULE, V.; KUTHAN, F.

Activity of lactate dehydrogenase isoenzymes in the serum of patients with progressive arthritis. Fysiat. vestn. 43 no.4:197-201 Ag '65.

1. I. interni klinika lekárske fakulty University J.E. Purkyne v Brne (prednosta dr. M. Stejfa), Ustredni laboratore fakultni nemocnice v Brne (vedouci doc. dr. V. Hule) a Revmatologicke oddeleni Mestskeho ustavu narodniho zdravi v Brne (vedouci dr. F. Kuthan).

SVETELSKY, Jiri, MUDr.; KUTHAN, Frantisek, MUDr.

Severe| calcifying stenosis of the aortic valve in a case of
bicuspid valve. Voj. zdrav. listy 34 no.6:248-250 D '65.

1. Ústav soudního lékařství Lékařské fakulty Karlovy Uni-
versity v Hradci Králové (prednosta doc. MUDr. J. Beran, CSc.)
a Interní oddělení polikliniky Obvodního ústavu národního zdraví
v Semilech (vedoucí lékař MUDr. J. Svetelský).

E-31010-66

ACC NR: AP6023118

SOURCE CODE: CZ/0060/65/000/006/0248/0250

AUTHOR: Svetelsky, Jiri (Doctor of medicine; Physician); Kuthan, Frantisek (Doctor of medicine)

ORG: Institute for Forensic Medicine, LFKU /headed by Docent, Doctor of Medicine, Candidate of sciences J. Boran/, Hradec Kralove (Ustav soudniho lekarstvi LFKU); Internal Department of the Polyclinic, OUNZ /headed by Physician, Doctor of Medicine J. Svetelsky/, Semily (Interni oddeleni polikliniky OUNZ)

TITLE: Large calcified stenosis of the aorta in a case of bilobate aortal valve

SOURCE: Vojenske zdravotnicke listy, no. 6, 1965, 248-250

TOPIC TAGS: pathogenesis, cardiology, clinical medicine, diagnostic medicine, histology

ABSTRACT: An accidentally discovered case of isolated calcified stenosis of the aorta in a 27 year old man is described; the patient had had rheumatic fever. Clinical picture, pathogenesis, and the diagnosis of the disorder are presented. During autopsy a bilobate aortal valve with a large calcified aortal stenosis was found. Histological examination revealed decalcified fibrotic valve and a disseminated fibrosis of the myocardium. It is therefore assumed that the disease was of rheumatic origin. Orig. art. has: 1 figure. [Based on authors' Eng. abst.] [JPRS]

SUB CODE: 06 / SUBM DATE: none / ORIG REF: 006 / OTH REF: 004

Card 1/1 LC

UDC: 616.126.421-007.270-003.84

MINISTRY, U.S.

The Institute of Building Economics enters its third year. p. 147.
Terminology for the assembly-line method of building. p. 148.
Responsibility for construction work. p. 153. IN THE U.S.S.R. TODAY.
(Ministerstvo stroitelstva) Praha. Vol. 4, no. 7, Apr. 1954.

SOURCE: East European Accessions List, Vol. 5, no. 9, September 1956

MULLER, V.; KUTHAN, J. inz.

Evaluation of the coal swelling index. Paliva 43 no.5:155-156 My '63.

1. Statni planovaci komise, odbor vedy a techniky (for Muller).
2. Ostravsko-Karvinske doly, Dul 1 maj (for Kuthan).

KUTHAN, Josef

Laboratorni mereni z elektrotechniky. (Laboratory Measurements in Electrical Engineering; a university textbook. 1st ed. illus., bibl.) For the students of the Faculty of Mechanization. Prague, SPN, 1957. 159 p.

Bibliograficky katalog, CSR, Ceske knihy, No. 36. 15 Oct 57. n. 786.

KUFMAN, J.; VACULEK, P.

"Homologues of pyridine" III. Synthesis of 4-alkyl-3,5-dimethylpyridine.
In German. p. 147.

COLLECTION OF CZECHOSLOVAK CHEMICAL COMMUNICATIONS, Praha, Czech.,
Vol. 24, No. 1, Jan. 1969.

Monthly List of East European Accessions (EEAU), LI, Vol. 1, No. 6, Sept. 69
Unclassified

KUTHAN, J.

J The steric relationship between sandaracopimaric acid and the dextropimaric acids. Vlastimil Galik, František Petrů, and Josef Kuthan (Chem. Tech. Hochschule, Prague). *Naturwissenschaften* 46, 322-3(1959).—Partial dehydration of sandaracopimaric acid with Pd yielded the hydrocarbon $C_{15}H_{22}$, which, by its ultraviolet absorption spectra and mixed m.p. detn., proved to be identical with the hydrocarbon of Harris and Sanderson (C.A. 42, 6901b). I was identical with dextropimaric acid, not isodextropimaric acid. Kathryn M. Wolfe

1 5
1-9-59 (11/5)

8-1
-11

KUTHAN, J.

Distr: 4E3d

Reaction of Grignard reagent with 3,5-dicyanopyridines.
R. Lukeš and J. Kuthan (Tech. Hochschule, Prague).
Angew. Chem. 72, 618 (1960). — EtO salts of 3,5-dicyano-
pyridines reacted at 20–40° with MeMgI (Ia) or EtMgBr

7
4
GW(BH)
JAT(NB)
1

(Ib) in 4–6-fold excess to form $\text{NH.CR}^1\text{C(CN).CR}^2\text{C(CN).CHR}^3$ or $\text{NH.CR}^1\text{C(CN).CHR}^2\text{C(CN).CR}^3$. The

following were prepd.: $\text{R}^1 = \text{R}^2 = \text{R}^3 = \text{H}$ (I); $\text{R}^1 = \text{R}^2 = \text{H}$, $\text{R}^3 = \text{Me}$ (II); $\text{R}^1 = \text{R}^2 = \text{H}$, $\text{R}^3 = \text{Et}$ (III); $\text{R}^1 = \text{Me}$, $\text{R}^2 = \text{R}^3 = \text{H}$ (IV); $\text{R}^1 = \text{R}^2 = \text{Me}$, $\text{R}^3 = \text{H}$ (V); $\text{R}^1 = \text{R}^2 = \text{Me}$, $\text{R}^3 = \text{H}$ (VI); $\text{R}^1 = \text{H}$, $\text{R}^2 = \text{R}^3 = \text{Me}$ (VII); $\text{R}^1 = \text{H}$, $\text{R}^2 = \text{Me}$, $\text{R}^3 = \text{Et}$ (VIII); $\text{R}^1 = \text{H}$, $\text{R}^2 = \text{Et}$, $\text{R}^3 = \text{Me}$ (IX); $\text{R}^1 = \text{R}^2 = \text{Me}$, $\text{R}^3 = \text{H}$ (X); $\text{R}^1 = \text{R}^2 = \text{R}^3 = \text{Me}$ (XI); $\text{R}^1 = \text{R}^2 = \text{H}$, $\text{R}^3 = \text{Me}$ (XII); $\text{R}^1 = \text{R}^2 = \text{H}$, $\text{R}^3 = \text{Et}$ (XIII); $\text{R}^1 = \text{R}^2 = \text{Me}$, $\text{R}^3 = \text{H}$ (XIV); $\text{R}^1 = \text{R}^2 = \text{R}^3 = \text{Me}$ (XV). I with Ia gave 70% XII, I with Ib 65% XIII, II with Ia 66% VII, II with Ib 48% VIII, III with Ia 69% IX, IV with Ia about 43% X and XIV, V with Ia 82% XI, VI with Ia 35% XV.

F. H. van Munster

VACULIK, P.; KUTHAN, J.

Oxidation of some 4-alkyl-3,5-dimethylpyridine. Coll Cz Chem 25
no.6:1591-1595 Je '60. (EEAI 10:9)

1. Institut für organische Chemie, Technische Hochschule für Chemie,
Prag. (For Kuthan). 2. Jetzige Adresse: Biologisches Institut,
Tschechoslowakische Akademie der Wissenschaften, Prag. (for Vaculik)

(Alkyl groups) (Lutidine)

LUKES, R.; KUTHAN, J.

Some new pyridine compounds prepared from the products of the
Gueroschi reaction with propionaldehyde and acetaldehyde. Coll Cz
Chem 25 no.8:2173-2178 Ag '60. (EEAI 10:9)

1. Institut fur organische Chemie, Technische Hochschule fur Chemie,
Prag.

(Pyridin) (Propionaldehyde) (Acetaldehyde)

LUKES, R.[deceased]; KUTHAN, J.

Dihydropyridines. Part 3: Reaction of methylmagnesiumiodide on
3,5-dicyan-2-methylpyridine and 3,5-dicyan-2,4,6-trimethylpyridine.
Coll Cz Chem 26 no.7:1845-1851 J1 '61.

1. Institut fur organische Chemie, Technische Hochschule fur Chemie,
Prag.

(Pyridine)

KUTHAN, J.

Czechoslovakia

Institute of Organic Chemistry, Technical High School
for Chemistry -- Prague

Prague, Collection of Czechoslovak Chemical
Communications, No 9, 1962, pp 2175-2184

"On Dihydropyridine IV. Constitution and Absorp-
tionspectrum of Alkyline 3.5-Dicyandihydro-
pyridine."

CZECHOSLOVAKIA

KUTHAN, J; PALECEK, J.

Institute of Organic Chemistry of the Technical Higher
School of Chemistry, Prague

Prague, Collection of Czechoslovak Chemical Communications,
No 8, 1963, pp 2260-2264

"Report on the Mannich Reaction of Formaldehyde with Aceton-
dicarbonic Acidic Diethylester."

PITHA, J.; KUTHAN, J.

Examination of the tautomerism of 2,6-dihydroxydinicotinic acid ester by infrared spectroscopy. Coll Cz Chem 28 no.6:1625-1628 Jo '63.

1. Institut für organische Chemie und Biochemie, Tschechoslowakische Akademie der Wissenschaften und Institut für organische Chemie, Technische Hochschule für Chemie, Prag.

KUTHAN, J.; JALOCKOVA, E.; HAVEL, M.

On dihydropyridine. Pt.5. Coll Cz Chem 29 no.1:143-151 Ja'64

1. Institut für organische Chemie und Institut für analytische Chemie, Technische Hochschule für Chemie, Prag.

JANECKOVA, E.; KUTHAN, J.

On dihydropyridine. Pt. 6. Coll. Cz. Chem. 20 no. 6:1494-1498
Je '64.

1. Institute of Analytical Chemistry and Institute of Organic
Chemistry, Higher School of Chemical Technology, Prague.

Blüchel, J.; *Chem. Ber.*, 97, 1074, 1964.

On dihydropyridines. *J. Chem. Soc. Chem. Commun.* 1964, 663-664.

1. Department of Organic Chemistry and Department of Analytical Chemistry, Institute of Organic Chemistry, Prague.

CZECHOSLOVAKIA

KUTHAN, J; JANECKOVA, E.

Institute for Organic and Analytical Chemistry, Chemical
Technical College, Prague - (for both).

Prague, Collection of Czechoslovak Chemical Communications,
No 11, November 1965, pp 3711-3717.

"Dihydropyridine. Part 10: Reduction of asymmetrical 3,5-
dicyanpyridine alkylates using sodium boron hydride."

KUTYAN, J.

"Defect Preventing the Preparation of Electric Machines for the Harvesting Season", P. 803, (ZA SOCIALISTICKE ZEMEDLSTVI, Vol. 4, No. 7/8, July/Aug. 1954, Praha, Czechoslovakia)

SO: Monthly List of East European Accessions, (EAL), LC, Vol. 3, No. 12, Dec. 1954, Uncl.

KUTHAN, J.

Mechanization of operations concerning potato delivery. p. 30. (Kvasny Prumysl.
Vol. 3, No. 2, Feb 1957, Praha, Czechoslovakia)

SO: Monthly List of East European Accessions (ERAI) 10, Vol. 6, no. 2, Aug 1957, Uncl.

VACULIK, Pavel; KUTHAN, Josef

Contribution to the cyanoethylation of benzylamine. Sbor chem tech
4 no.2:513-517 '60. (EEAI 10:9/10)

1. Katedra organické chemie, Vysoká škola chemicko-technologická,
Praha.

(Cyanoethylation) (Amines)

KUTHAN, Josef, inz.

Better use of electric power is a condition for raising the
production and labor productivity in agriculture. Energetika Cz
11 no.2:88-89 F '61.

KUTHAN, Josef, inz.

Automation of wet feeding. Energetika Cz 11 no.11:560-561 N '61.

(Feeding) (Agriculture)

BLAZEK, Josef, inz., C.Sc.; VORLICEK, Jindrich, inz.; KUTHAN, Josef,
inz.; DURKOVIC, Oto, inz.

Automation of liquid feeding of swine. Zemedel tech 8 no.6:395-
412 D '62.

1. Vysoka skola zemedelska, katedra elektrizace a vnitropod-
nikove mechanizace, Praha.

L 31472-66

ACC NR: AP6023163

SOURCE CODE: CZ/0008/65/000/011/1308/1339

AUTHOR: Kuthan, Josef

ORG: Department of Organic Chemistry, College of Technical Chemistry, Prague
(Katedra organické chemie, Vysoká škola chemicko-technologická)

59

B

TITLE: Determination of the constitution and configuration of organic compounds by using physical methods

SOURCE: Chemické listy, no. 11, 1965, 1308-1339

TOPIC TAGS: IR spectroscopy, Raman spectroscopy, UV spectroscopy, organic chemistry, mass spectroscopy, nuclear magnetic resonance

ABSTRACT: Practical application of certain physical methods in the determination of structural and stereochemical formulas is discussed. Infrared and Raman spectroscopy, ultraviolet and visible spectroscopy, magnetic resonance spectroscopy, diffraction methods, and mass spectrometry are described. The best way is the simultaneous use of two methods, such as a combination of infrared and ultraviolet spectroscopy, or of infrared and nuclear magnetic resonance spectroscopy. 21 examples of the uses of the different methods are described. The author thanks Doctor, Engineer K. Blaha, Candidate of Sciences; Engineer K. Capka, Candidate of Sciences; Docent, Engineer, Doctor M. Ferlesov; Engineer, Doctor J. Kovar, Candidate of Sciences; Engineer J. Paleck, Candidate of Sciences for discussions and suggestions. Orig. art. has: 15 figures and 2 tables. [JPRS]

SUB CODE: 20, 07 / SUBM DATE: none / ORIG REF: 003 / OTH REF: 015
Card 1/1

0915

1374

Mercury deposits of Slovakia. Miroslav Kuthan
Príroda Státn. Geol. Ústavu, Bratislava No. 2, Úpp. No. 4, 50 pp. (1941), No. 7, 64 pp. (1942), *Mineráln. Prírodné* 9, 286 (1946). Near Čelčeka, stratified porphyry deposits are cut by veins in which mercury tetrahedrite replaces siderite and pyrite and is replaced by cinnabar. At Merník veins cutting conglomerate and pitchstone contain quartz, calcite, and cinnabar, replaced by meta-cinnabar and chalcocopyrite. Near Tajov, cinnabar occurs with realgar and orpiment as veins and impregnations in sandstones, andesitic agglomerates, and dolomites.

Michael Fletcher

CX

The undation volcanism of the Carpathian orogeny and
volcanological survey of the northern part of the Presov
Mountains. M. Kuthan. *Práce Stř. Geol. Ústavu* 17,
87-174 (in English, 191-71) (1948). - Detailed petrographic
study with 1 chem. and many modal analyses of rocks.
The eruptive phases were in the sequence rhyolite, ande-
site, rhyolite, dacite, andesite, latite. Michael Fleischer

AND SEE METALLURGICAL LITERATURE CLASSIFICATION

KUTMAN, M.; JASAN, O.; KACHTICNY, J.

"Geological Survey of the Spis-Gemer Ore Mount. Inc." . 1 3 (REMOVAL KEY
S. GENIE. Vol. 4, No. 1/2, 1953; Bratislava, Czech.)

Co: Monthly List of East European Accessions, (SEAL), LC, Vol. 1,
No. 4, April 1955, Uncl..

Czechoslovakia/Cosmochemistry. Geochemistry. Hydrochemistry. D

Abstr Jour : Referat. Zhurnal Khimii No 6 1957 18915.

Author : Kuthan, Miroslav.

Inst : -

Title : Postvolcanic Activity in Vicinity of Viglyashskaya
Mtn (Form. Kalinka)

Orig Pub : Geol. Prace. Zpravy 1956 No 5 3-36.

Abstract : Basing on field work and laboratory research, the
fundamental sequences of processes connected with the
last eruption from the parasitic crater on the north-
ern slope of the Yavoriya volcano was reproduced.
Two generations of sulphur were recorded of which
the younger one proved to be more impoverished in re-
gard to chalcophile elements due to conditions that
had happened to exist. The hydrothermal alteration
of andesites occurred in accordance with the follow-
ing scheme: 1) at a high temperature: saussuritiza-
tion → uranization → biotitization; 2) at a low tem-
perature: sericitization → propylitization → enoli-
tization → albunization.

Card 1/1

27-

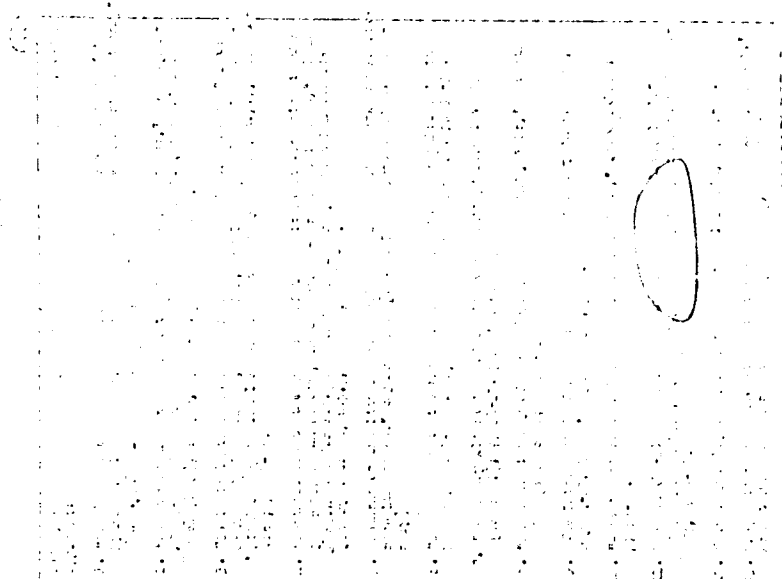
KUTHAN, M.

GEOGRAPHY & GEOLOGY

Periodicals: GEOLOGICKE PRACE No. 49, 1958

KUTHAN, M. Volcanism of the late Tertiary period in the Slovak
Carpathian Mountains. p.5,

Monthly List of East European Accessions (EEAI) LC, Vol. 8, No. 5,
May 1959, Unclass.



KUTHAN, M.

KUTHAN, Miroslav

Long-term research project on the deep-seated beds of neovulcanites of central Slovakia and their megastucture. Vest Ust geol 38 no.1: 57-59 Ja '63.

CZECHOSLOVAKIA

KUTHAN, M.

Prague, Vestník Ústředního Ústavu Geologického,
No 1, 1963, pp 57-59

"Prospective Project of Research in the Deep-
seated Basement of the Volcanites and
Megastructures of Central Slovakia."

KUTHAN, S.

In memory of Genek Rohac. Lek. listy 5 no.19:588 1 Oct
1950. (CIML 20:1)

KUTHAN; St., Doc. dr.; HRANICE, N.B.

How to treat ulcers. Cas.lek.cesk. 91 no.10:303-304 7 Mar 52.

(PEPTIC ULCER, therapy
current concepts)

DOSTALEK, C.; KUTHAN, V.

Successive induction effect of an auditory stimulus on iris contraction induced by a visual stimulus. *Cesk. fysiол.* 7 no.5:444 Sept 58.

1. Laborator grafickych vynetrovacich metod CSAV a Laborator fysiologie a natofysiologie zrakového analyzátoru CSAV, Praha.

(IRIS, physiол.

eff. of auditory stimulus on contraction induced by visual stimulus (Cz))

(HEARING

eff. of auditory stimulus on iris contraction induced by visual stimulus (Cz))

DOSTALEK, C.; KUTHAN, V.

~~Control of the iris by verbal factors.~~ Cesk. fysiол. 7 no.5:444-445 Sept 58.

1. Laboratory grafickych vysetrovavich metod CSAV a Laboratory fysiologie a patofysiologie zrakového analyzátoru CSAV, Praha.

(IRIS, physiол.

eff. of verbal stimuli (Cz))

(SPEECH,

eff. of verbal stimuli on iris (Cz))

DOSTALZEK, C.; KUTCHAN, V.

Comparison of stability of pupillary conditioned reflexes induced by conditioned stimulus preceeding unconditioned stilulus and by unconditioned reflexes preceeding conditioned stimulus. Cesk. fysiол. 8 no.3:179-180 Apr 59.

1. Laborator grafickych vysetrovacich metod CSAV a Laborator fysiologie a patofysiologie zrakoveho analyzatoru CSAV, Praha, Predneseno na III. fysiologickych dnech v Brne dne 13. 1. 1959.

(REFLEX, CONDITIONED,

eff. of mixing conditioned & unconditioned stimuli on stability of pupillary conditioned reflexes (Rus))

KUTHAN, V.

Review of the electrophysiology of the visual analyzer.
Cesk. fysiolog. 12 no. 2: Mr '63.

1. Laborator fysiologie a patofysiologie zrakového analyzátoru
CSAV, Praha.
(ELECTRORETINOGRAPHY) (RECEPTORS NEURAL) (VISION)

CZECHOSLOVAKIA

V. KUTHAN, Laboratory of Physiology and Pathophysiology of the Visual Analyzer (Laborator fysiologie a patofysiologie zrakového analyzátoru) CSAV [Ceskoslovenská Akademie Ved; Czechoslovak Academy of Sciences,] Prague.

"Review of the Electrophysiology of the Visual Analyzer."

Prague, Ceskoslovenská Fysiologie, Vol 12, No 2, 1963; pp 126-150.

Abstract: A very detailed review of the published literature on the microphysiology of the retina; resting potential of the eye; electroretinogram. Data about vertebrates and invertebrates; spectral sensitivity and receptor poles of ganglionic retinal cells. Of 289 references, 2 are Czech, 10 Soviet, about 30 Japanese, rest Western.

1/1

CZECHOSLOVAKIA

KUTHAN, V.; Laboratory of the Physiology and Pathological Physiology of the Visual Analyzer of the Czechoslovak Academy of Sciences (Laborator fysiologie a patofysiologie zrakového analyzátoru CSAV,) Prague.

Prague, Ceskoslovenska Fysiologie, Vol 12, No 4, July 1963; pp 243-251.

Abstract: Comprehensive review of publications on the optic nerve and optic tract, lateral geniculate body (including some LSD studies,) electrophysiologic research in the pretectal area, cerebellar electrophysiologic function in relation to the activity of the optic analyzer. Four Japanese and 90 Western references.

CZECHOSLOVAKIA

KUTHAN, V.; Laboratory of Physiology and Pathological Physiology of the Visual Analyzer of the Czechoslovak Academy of Sciences (Laborator fysiologie a patofysiologie zrakového analyzátoru CSAV,) Prague.

"Review of the Electrophysiology of the Visual Analyzer. Part 3."

Prague, Ceskoslovenska Fysiologie, Vol 12, No 4, July 1963; pp 252-261.

Abstract: Review of Western literature: resting activity, evoked potentials as in response to either electric or light impulse, neuronal unit activity in the visual cortex. There are 143 Western references.

1/1

KUTHAN, V.,

Functional relations of neural and glial structures. New viewpoints on the physiology of the nervous system. Cesk. fysiол. 13 no.2:108-125 Ja'64

1. Laborator fysiologie a parafysiologie zrakoveho analyzatoru CSAV, Praha.

*

7

KUTHANAVA, H.

Colorimetric estimation of iron in fats. Herta Kuthanava. *Chem. Abstr.* 24, 66-71(1949). A colorimetric method with salicylic acid is described. The oil extracted from the seeds in the lab. and the fats in corn production contain 10⁻⁴ to 10⁻⁵% Fe. Jan Micka

ASD-55A METALLURGICAL LITERATURE CLASSIFICATION

1/1

MUTHY, Akos, Dr; Robert Karoly Boulevard Hospital of the XIII. District Council, Surgical Ward (XIII. Keruleti Tanacs Robert Karoly Koruti Kor-
haza, Sebesszeti Gszpital) (chief physician: SZABO, Zoltan, Dr).

"A Simplified Technique for the Use of Ritosept."

Budapest, Magyar Sebesszet, Vol XVI, No 2, May 1963, pages 101-103.

Abstract: [Author's German summary] The simplified gauze-towel method of disinfection with Ritosept was used in 247 surgical cases in the author's department. The 40 negative bacterial cultures provided proof for the quick and lasting sterility obtained. No side effects were observed. The method is suitable for use in smaller institutions and in surgical ambulatory cases. 1 Western, 3 Hungarian references.

1/1

KUTHY, Istvan, dr.; LUSZTIG, Gabor, dr.

Intrauterine fetal pneumonia. Magy. noorv. lap. 21 no. 1: 42-45
Ja '60.

1. A Bacs-Kiskun Megyei Tanács Kórháza (Igazgató: Strasser
László dr.) Prosecturájának (Előzős: Lusztig Gabor dr.)
közleménye.

(PNEUMONIA)

(FETUS dis)

CA 17

PROCESSES AND PROPERTIES INDEX

Solubility of digitoxin in solutions of surface activity. GYLLA M. HERB AND SANDOR KUTNY. *Magyar Kém. Készlés Munkái* 5, 197 (1932). Surface active substances increase the soly. of digitoxin. Na oleate dissolved 850 mg % digitoxin in 0.1 N soln. Kats. of digitalis powder made with different concns of Na phenylpropionate and Na oleate solns. were higher in active glucosides than those made with water alone. Toxicity of digitalin is increased by Na phenylpropionate and is decre by Na oleate.

1 S DE FINALY

ADDITIONAL METALLURGICAL LITERATURE CLASSIFICATION

FROM DIVISION

RECEIVED MAY 1932

RECEIVED MAY 1932

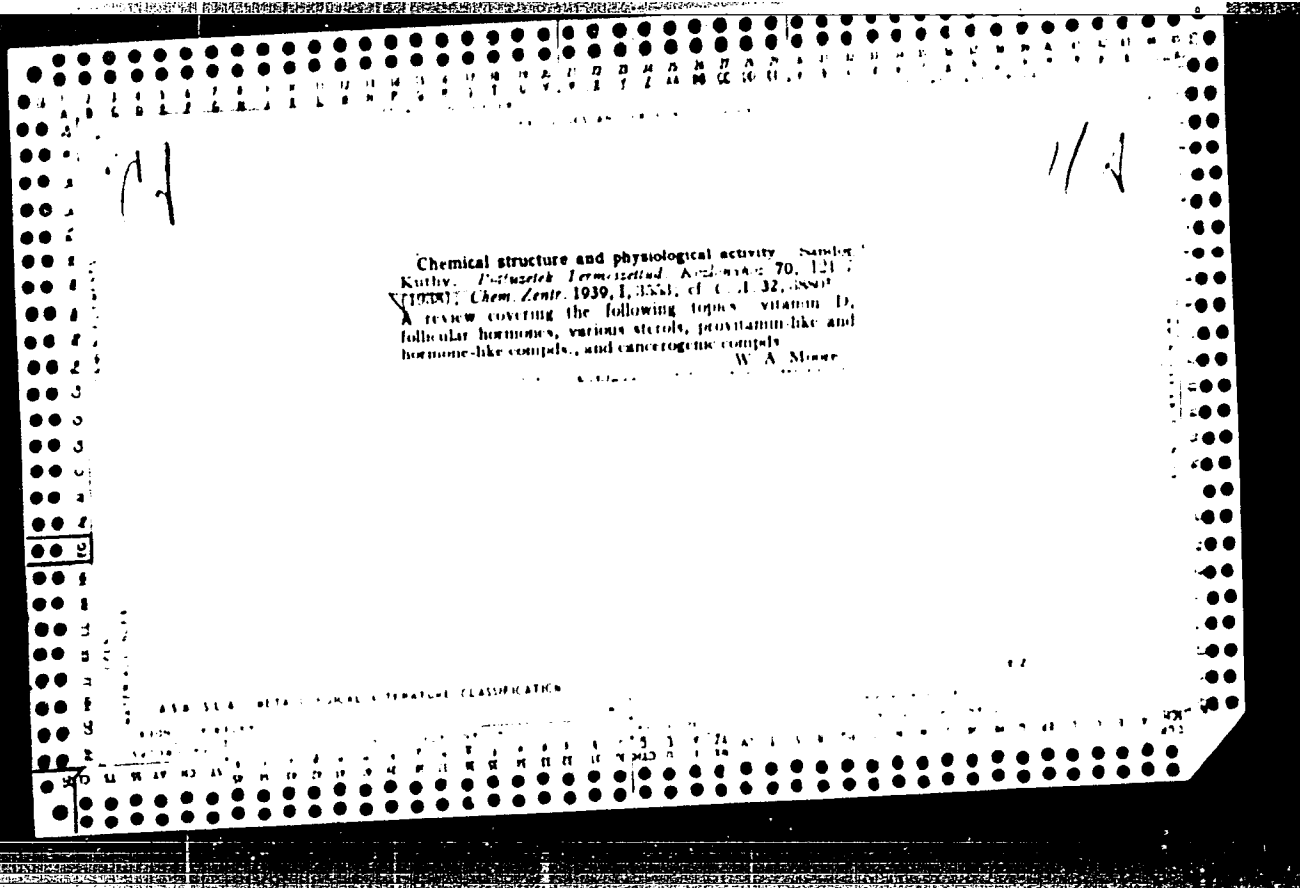
Effect of sodium oleate on the toxicity of digitoxin
 Gyula Méhes and Sándor Kuthy. *Magyar Med. Közl.*
Introd. Magyar. S. 274 (1933). The M. L. D. of
 digitoxin detd. by the method of Hatcher-Hindly on rats
 is 0.004 mg./kg. This value increased 8-42% if 0.15-
 45% Na oleate was added to the soln. of digitoxin. Intra-
 venous treatment with Na oleate. The max. decrease
 of toxicity occurs immediately after the treatment but
 the decrease can be observed even after 16-24 hrs. No
 change of M. L. D. was observed on previous treatment
 with physiol. NaCl soln. or with a 1% Na glycocholate
 soln. The Ca oleate ppt. formed in the blood probably
 adsorbs and detoxicates a part of the digitoxin. If the
 formation of this ppt. was prevented by a simultaneous
 addn. of Na glycocholate the M. L. D. was not affected.
 S. S. de Pinsky

The effect of collisions on crystallization and the theory of formation of pathological concretions. Sandoz Kuthy. *Hygiene Frauen Arch.* 33, 290-97 (1934); cf. C. A. 28, 7427.—Urine and bile contain substances in large amounts that ordinarily would crystallize from aq. solns. Under normal conditions substances of high mol. wt. and high surface tension play the role of so-called protective colloids preventing the superimposed, body fluids from crystals. This theory is illustrated by expts. as follows: 2-cc. samples of 0.05 N $\text{Hb}(\text{NO}_3)_2$ plus 2 cc. 0.025 N KI plus 2 cc. gelatin added to various concns. were mixed and boiled until the ppt. described. The crystal. was observed under a high power microscope at 40°C. As the gelatin concn increased there was a decrease in crystal. material and finally at a gelatin concn of 1.4 g./mg. per 100 cc. the crystal structure

of the film became indefinite and at 2.5 mg. crystals were completely prevented and only amorphous pptts. formed. With 2.5 mg. gelatin there was no pptn. at all, even after several hrs. Macroscopic expts. also showed that in addition to gelatin the following substances are good protective colloids: dextrin, agar, Na glycolate, Na tauricholate, desoxycholic acid, ovalbumin, Na oleate, methylurethane and carboxamide. Their protective colloidal action decreases in the order given.

APPROVED FOR RELEASE: 03/13/2001

CIA-RDP86-00513R000927910019-3"



<p>CA</p>		<p>12</p>	
<p>PROCESSES AND PROPERTIES INDEX</p>			
<p>Bread as a vitamin source in national nutrition. <i>Samuel Küthy. Long. intern. tech. chim. ind. agr., Compl rend. Vp. congr., Budapest 2, 1900 (1930); Chem Zentr. 1, 1050.</i> The possibility of enriching bread with aneurin is discussed. In baking expts. with malt ext an enrichment of 50-100% can be attained. H. E. W.</p>			
<p>ASB-ILA METALLURGICAL LITERATURE CLASSIFICATION</p>			
<p>1000000 000000 000000 000000</p>		<p>000000 000000 000000 000000</p>	
<p>1000000 000000 000000 000000</p>		<p>000000 000000 000000 000000</p>	

Control of the temperature of manure fermentation.
Sunder, Kuthy. *Metz, 1964, 13, 10, 12*
[1964] -- At low temp. the fermentation is too slow, the
manure remains very acid for several months and the
straw is not sufficiently decomposed. At too high temp.
the loss of nutrients increases. The best temp. seems to
be between 50 and 60. The greater the proportion of
straw in the mixt. the higher is the temp. of fermentation.
The losses of nutrients can be diminished by decreasing
the ratio C/N in the mixt. N. S. de Froid.

ASH 34.4 METALLURGICAL LITERATURE CLASSIFICATION

62

112

Rosebush pseudocarp, the new natural source of vitamin C. Sándor Kúthy. *Természettudományi Közlemények* 74, 214-6 (1942); *Chem. Zentr.* 1943, II, 640. — The high vitamin C content (40-500 mg.-%) of the rosebush pseudocarp is retained almost completely in the proper prepn. of marmalade and most. . . . W. W. Binkley

ASB-51A METALLURGICAL LITERATURE CLASSIFICATION

SECTION DIVISION

SECTION MAP ONE COL

SECTION TWO

SECTION THREE

SECTION FOUR

SECTION FIVE

SECTION SIX

SECTION SEVEN

SECTION EIGHT

SECTION NINE

SECTION TEN

SECTION ELEVEN

SECTION TWELVE

SECTION THIRTEEN

SECTION FOURTEEN

SECTION FIFTEEN

SECTION SIXTEEN

SECTION SEVENTEEN

SECTION EIGHTEEN

SECTION NINETEEN

SECTION TWENTY

SECTION TWENTY-ONE

SECTION TWENTY-TWO

SECTION TWENTY-THREE

SECTION TWENTY-FOUR

SECTION TWENTY-FIVE

SECTION TWENTY-SIX

SECTION TWENTY-SEVEN

SECTION TWENTY-EIGHT

SECTION TWENTY-NINE

SECTION THIRTY

SECTION THIRTY-ONE

SECTION THIRTY-TWO

SECTION THIRTY-THREE

SECTION THIRTY-FOUR

SECTION THIRTY-FIVE

SECTION THIRTY-SIX

SECTION THIRTY-SEVEN

SECTION THIRTY-EIGHT

SECTION THIRTY-NINE

SECTION FORTY

SECTION FORTY-ONE

SECTION FORTY-TWO

SECTION FORTY-THREE

SECTION FORTY-FOUR

SECTION FORTY-FIVE

SECTION FORTY-SIX

SECTION FORTY-SEVEN

SECTION FORTY-EIGHT

SECTION FORTY-NINE

SECTION FIFTY

SECTION FIFTY-ONE

SECTION FIFTY-TWO

SECTION FIFTY-THREE

SECTION FIFTY-FOUR

SECTION FIFTY-FIVE

SECTION FIFTY-SIX

SECTION FIFTY-SEVEN

SECTION FIFTY-EIGHT

SECTION FIFTY-NINE

SECTION SIXTY

SECTION SIXTY-ONE

SECTION SIXTY-TWO

SECTION SIXTY-THREE

SECTION SIXTY-FOUR

SECTION SIXTY-FIVE

SECTION SIXTY-SIX

SECTION SIXTY-SEVEN

SECTION SIXTY-EIGHT

SECTION SIXTY-NINE

SECTION SEVENTY

SECTION SEVENTY-ONE

SECTION SEVENTY-TWO

SECTION SEVENTY-THREE

SECTION SEVENTY-FOUR

SECTION SEVENTY-FIVE

SECTION SEVENTY-SIX

SECTION SEVENTY-SEVEN

SECTION SEVENTY-EIGHT

SECTION SEVENTY-NINE

SECTION EIGHTY

SECTION EIGHTY-ONE

SECTION EIGHTY-TWO

SECTION EIGHTY-THREE

SECTION EIGHTY-FOUR

SECTION EIGHTY-FIVE

SECTION EIGHTY-SIX

SECTION EIGHTY-SEVEN

SECTION EIGHTY-EIGHT

SECTION EIGHTY-NINE

SECTION NINETY

SECTION NINETY-ONE

SECTION NINETY-TWO

SECTION NINETY-THREE

SECTION NINETY-FOUR

SECTION NINETY-FIVE

SECTION NINETY-SIX

SECTION NINETY-SEVEN

SECTION NINETY-EIGHT

SECTION NINETY-NINE

SECTION HUNDRED

The composition of tomatoes (Sunderbhatti, 1947) and many other varieties of this crop originating from 9 different localities were investigated in 1947; 31 varieties grown at Kasauli were also tested in 1948. The values were: dry matter (det.) by tomato refractometer) 4.1-8.0% (1947) and 4.2-6.7% (1948), content of total acids 0.14-0.29% and 0.20-5.00, total sugar 1.04-4.16 and 1.07-4.00% (ascorbic acid 0.28-0.54, total sugar 1.04-21.9 mg. % pH value 3.67-4.62 and 4.50-5.00). The better quality of tomatoes of 1947 harvest is due to more favourable climatic conditions. No connection could be observed between acidity (det.) by titration and actual acidity measured by pH values.

CA

15

Increasing the protein yield of feed plants by applying
late top dressing fertilization. Sverdlovskiy, L.
Leningrad, No. 1, 10/20/1949. Fertilization expts. with
barley and oats were conducted to test the effect of N-fertilizers
on the protein production. Barley gave the highest
protein and straw yields when a basic fertilizer rate of 80
kg "Per" salt (calstrad) held to 575 ha. was later com-
plemented by a top dressing of 60 kg "Per" salt. Expts.
with oats gave no definite results. (Sverdlovskiy)

KUTHY, SANDOR

HUNGARY/Physiology of Plants - Mineral Fertilizers.

I-3

Abs Jour : Ref Zhur - Biol., No 3, 1958, 10407

Author : Kuthy, Sandor.

Inst : -

Title : Research of Microelements in the Plants of Hungary.

Orig Pub : Agrochem. es talaj., 1956, 5, No 2, 273-280

Abstract : Researches conducted by Hus in 1939 and 1940 demonstrated that the rosette disease of fruits, caused by insufficient Zn in the soil, can be cured by spraying the plants in April, May, and June with a 3% solution of zinc sulfate. In 1944 Sarosin showed that chlorosis of oats, which is caused by insufficient Mn, appears not only when there is not enough Mn but also when the soil is badly aerated. In the experiments of Kovacs and Ferenc, treatment of corn seed with a 0.3% KBr solution before sowing gave an increase in yield of between 10% and 25%. When wheat was sprayed with a 0.01% boric acid solution at the time of

Card 1/2

HUNGARY/Physiology of Plants - Mineral Fertilizers.

I-3

Ats Jour : Ref Zhur - Biol., No 3, 1958, 10407

flowering, the content of albumins in the grain increased by 10%. Experiments conducted by the Department of Organic and Biological Chemistry of the Agrarian University indicate that the quantity of sugars increases and the intake of ash substances decreases when plants are sprayed with a 3% NPK solution and an A-Z Khoglend [Hoagland] solution. The work of Valger and Vereckei has demonstrated that when plants are sprayed with boric acid in 0.1 - 5% concentrations, they lose from 11.1-46.3% less water /ot-dacha vody/. Garai and Fehir's experiments indicate that boron, mixed with ATF, gives a complex compound which, under the influence of light, disintegrates phosphoric acid more easily than ATF alone; evidently the photosensitizing role of ATF increases under the influence of boron.

Bibliography of 39 titles.

Card 2/2

KUTHY, S.

Problems of spray fertilization and experiences with it in Hungary,
p. 217, Magyar Tudományos Akadémia, Agrártudományok Osztálya,
KÖZLEMÉNYEI, Budapest, Vol. 9, No. 1/3, 1956

SOURCE: East European Accessions List (EEAL) Library of Congress,
Vol. 5, No. 11, November 1956

COUNTRY : HUNGARY
CATEGORY : General Biology. B
 Physical and Chemical Biology.
ABS. JOUR. : RZhBiol., No. 5 1959, No. 18986
AUTHOR : Kuthy, Sandor
LIST. : -
TITLE : Some Examples of Applying Isotopes in
 Biochemical Investigations.
ORIG. PUB. : Agrokem. es. talaj., 1957, 6, No 3, 259-270
ABSTRACT : No abstract.

CARD: 1/1

KUTHY, Sandor

Geza Doby at 85. Agrokem talajtan 12 no.1:1-2 Mr '63.

3/044/62/000/010/016/042
B166/B102

AUTHORS: Kuti, Csaba, Uray, Laszlo

TITLE: Approximate value of distribution functions of rounded errors
obtained by the saddle-point method

PERIODICAL: Referativnyy zhurnal. Matematika, no. 10, 1962, 4, abstract
10V15 (Magyar tud. akad. Közl. fiz. kutató int. közl., v. 8,
no. 4, 1960, 239 - 243, V, X Hun.; summaries in Rus. and
Eng.)

TEXT: The Laplace transform of the probability density of the sum of n
uniformly distributed random variables is calculated and the accuracy with
which the saddle-point method reproduces this density is studied when
 $n = 1, 2, 3$. The authors note that with large values of n the density is
close to normal, in which case the saddle-point method gives a sufficient
result. [Abstracter's note: Complete translation.]

Card 1/1

1998, 1999, 2000, 2001, 2002, 2003, 2004, 2005, 2006, 2007, 2008, 2009, 2010, 2011, 2012, 2013, 2014, 2015, 2016, 2017, 2018, 2019, 2020, 2021, 2022, 2023, 2024, 2025, 2026, 2027, 2028, 2029, 2030, 2031, 2032, 2033, 2034, 2035, 2036, 2037, 2038, 2039, 2040, 2041, 2042, 2043, 2044, 2045, 2046, 2047, 2048, 2049, 2050, 2051, 2052, 2053, 2054, 2055, 2056, 2057, 2058, 2059, 2060, 2061, 2062, 2063, 2064, 2065, 2066, 2067, 2068, 2069, 2070, 2071, 2072, 2073, 2074, 2075, 2076, 2077, 2078, 2079, 2080, 2081, 2082, 2083, 2084, 2085, 2086, 2087, 2088, 2089, 2090, 2091, 2092, 2093, 2094, 2095, 2096, 2097, 2098, 2099, 2100, 2101, 2102, 2103, 2104, 2105, 2106, 2107, 2108, 2109, 2110, 2111, 2112, 2113, 2114, 2115, 2116, 2117, 2118, 2119, 2120, 2121, 2122, 2123, 2124, 2125, 2126, 2127, 2128, 2129, 2130, 2131, 2132, 2133, 2134, 2135, 2136, 2137, 2138, 2139, 2140, 2141, 2142, 2143, 2144, 2145, 2146, 2147, 2148, 2149, 2150, 2151, 2152, 2153, 2154, 2155, 2156, 2157, 2158, 2159, 2160, 2161, 2162, 2163, 2164, 2165, 2166, 2167, 2168, 2169, 2170, 2171, 2172, 2173, 2174, 2175, 2176, 2177, 2178, 2179, 2180, 2181, 2182, 2183, 2184, 2185, 2186, 2187, 2188, 2189, 2190, 2191, 2192, 2193, 2194, 2195, 2196, 2197, 2198, 2199, 2200, 2201, 2202, 2203, 2204, 2205, 2206, 2207, 2208, 2209, 2210, 2211, 2212, 2213, 2214, 2215, 2216, 2217, 2218, 2219, 2220, 2221, 2222, 2223, 2224, 2225, 2226, 2227, 2228, 2229, 2230, 2231, 2232, 2233, 2234, 2235, 2236, 2237, 2238, 2239, 2240, 2241, 2242, 2243, 2244, 2245, 2246, 2247, 2248, 2249, 2250, 2251, 2252, 2253, 2254, 2255, 2256, 2257, 2258, 2259, 2260, 2261, 2262, 2263, 2264, 2265, 2266, 2267, 2268, 2269, 2270, 2271, 2272, 2273, 2274, 2275, 2276, 2277, 2278, 2279, 2280, 2281, 2282, 2283, 2284, 2285, 2286, 2287, 2288, 2289, 2290, 2291, 2292, 2293, 2294, 2295, 2296, 2297, 2298, 2299, 2300, 2301, 2302, 2303, 2304, 2305, 2306, 2307, 2308, 2309, 2310, 2311, 2312, 2313, 2314, 2315, 2316, 2317, 2318, 2319, 2320, 2321, 2322, 2323, 2324, 2325, 2326, 2327, 2328, 2329, 2330, 2331, 2332, 2333, 2334, 2335, 2336, 2337, 2338, 2339, 2340, 2341, 2342, 2343, 2344, 2345, 2346, 2347, 2348, 2349, 2350, 2351, 2352, 2353, 2354, 2355, 2356, 2357, 2358, 2359, 2360, 2361, 2362, 2363, 2364, 2365, 2366, 2367, 2368, 2369, 2370, 2371, 2372, 2373, 2374, 2375, 2376, 2377, 2378, 2379, 2380, 2381, 2382, 2383, 2384, 2385, 2386, 2387, 2388, 2389, 2390, 2391, 2392, 2393, 2394, 2395, 2396, 2397, 2398, 2399, 2400, 2401, 2402, 2403, 2404, 2405, 2406, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 2417, 2418, 2419, 2420, 2421, 2422, 2423, 2424, 2425, 2426, 2427, 2428, 2429, 2430, 2431, 2432, 2433, 2434, 2435, 2436, 2437, 2438, 2439, 2440, 2441, 2442, 2443, 2444, 2445, 2446, 2447, 2448, 2449, 2450, 2451, 2452, 2453, 2454, 2455, 2456, 2457, 2458, 2459, 2460, 2461, 2462, 2463, 2464, 2465, 2466, 2467, 2468, 2469, 2470, 2471, 2472, 2473, 2474, 2475, 2476, 2477, 2478, 2479, 2480, 2481, 2482, 2483, 2484, 2485, 2486, 2487, 2488, 2489, 2490, 2491, 2492, 2493, 2494, 2495, 2496, 2497, 2498, 2499, 2500, 2501, 2502, 2503, 2504, 2505, 2506, 2507, 2508, 2509, 2510, 2511, 2512, 2513, 2514, 2515, 2516, 2517, 2518, 2519, 2520, 2521, 2522, 2523, 2524, 2525, 2526, 2527, 2528, 2529, 2530, 2531, 2532, 2533, 2534, 2535, 2536, 2537, 2538, 2539, 2540, 2541, 2542, 2543, 2544, 2545, 2546, 2547, 2548, 2549, 2550, 2551, 2552, 2553, 2554, 2555, 2556, 2557, 2558, 2559, 2560, 2561, 2562, 2563, 2564, 2565, 2566, 2567, 2568, 2569, 2570, 2571, 2572, 2573, 2574, 2575, 2576, 2577, 2578, 2579, 2580, 2581, 2582, 2583, 2584, 2585, 2586, 2587, 2588, 2589, 2590, 2591, 2592, 2593, 2594, 2595, 2596, 2597, 2598, 2599, 2600, 2601, 2602, 2603, 2604, 2605, 2606, 2607, 2608, 2609, 2610, 2611, 2612, 2613, 2614, 2615, 2616, 2617, 2618, 2619, 2620, 2621, 2622, 2623, 2624, 2625, 2626, 2627, 2628, 2629, 2630, 2631, 2632, 2633, 2634, 2635, 2636, 2637, 2638, 2639, 2640, 2641, 2642, 2643, 2644, 2645, 2646, 2647, 2648, 2649, 2650, 2651, 2652, 2653, 2654, 2655, 2656, 2657, 2658, 2659, 2660, 2661, 2662, 2663, 2664, 2665, 2666, 2667, 2668, 2669, 2670, 2671, 2672, 2673, 2674, 2675, 2676, 2677, 2678, 2679, 26

• • • • •

THE UNIVERSITY OF CHICAGO

Journal of Management Inquiry 22(1) 3-17
© The Author(s) 2013
Reprints and permissions: sagepub.com/journalsPermissions.nav

U. S. N. 12, 104, 105

probably from Robert Warpinus Asserion (c. AD. 10, Vol. 2, N. 2, p. 41-42).

KUTI, E.

Let us produce more fodder for our horned cattle. p. 19. (Malyar Mezogazdasag, Vol. 11, no. 4, Feb. 1956 Budapest)

SO: Monthly List of East European Accession (EEAL) LC, Vol. 6, no. 7, July 1957. Uncl.

KUTI, E.

KUTI, E. Organizati n of work for cultivation corn and sugar beets. p. 6

Vol. 11, No. 10, May 1956

MATYAR MEZAGAZDASAG

AGRICULTURE

Budapest

SO: EAST EUROPEAN ACCESSIONS, VOL. 6., NO. 3, March 1957

1. The first part of the document is a list of the names of the persons who were present at the meeting. The names are listed in alphabetical order. The names are: [illegible]

2. The second part of the document is a list of the names of the persons who were present at the meeting. The names are listed in alphabetical order. The names are: [illegible]

3. The third part of the document is a list of the names of the persons who were present at the meeting. The names are listed in alphabetical order. The names are: [illegible]

4. The fourth part of the document is a list of the names of the persons who were present at the meeting. The names are listed in alphabetical order. The names are: [illegible]

5. The fifth part of the document is a list of the names of the persons who were present at the meeting. The names are listed in alphabetical order. The names are: [illegible]

KUTI, E.

KUTI, E. Our methods for increasing averages of the wheat crop. p. 3.

Vol. 11, no. 1st, Sept. 1956

MAGYAR MEZOGAZDASAG

AGRICULTURE

Budapest, Hungary

So: East European Accession, Vol. 6, No. 5, May 1957

AUTI, G.

New foreign types of vehicles for streetcar traffic in cities. p. 437.
(Kozlekedestudományi Szemle, Vol. 6, no. 11/12, Nov./Dec. 1966.
Budapest, Hungary)

SO: Monthly List of East European Accessions (REAL) IC, Vol. 6, no. 9, Sept. 1957. Uncl.

KUTI, G.; MAFK, G.

Model with superconducting solution in quantum field theory II. Acta phys Hung 17 no.1/2:125-155 '64.

1. Institute of Theoretical Physics, Lorand Eotvos University, Budapest. Presented by L.Gyulai.

KUTI, L.; BARABAS, M.

New trials for treatment of pulmonary metastases of malignant tumors. Acta med. hung. Suppl. 6 no.1:47-52 1954.

1. Onkologische Abteilung des Laboratorium des Krankenhauses
Peterfy Sander-Strasse und Roentgen Abteilung des Staatlichen
Tuberkulose Institut, Budapest.

(LUNGS, neoplasms
ther., anterior pituitary hormones)
(PITUITARY GLAND, ANTERIOR, hormones
ther. of metastatic cancer of lungs)

KUTI, Laszlo

Remark about Laszlo Balazs' article "On the court expert's work."
Good kart 14 no.5:348-349 '62.

1. Allami Foldmeresi es Terkepesszeti hivatal muszaki foeloadja.

ITAL, 1. : LEVY, S.

"Methods of Establishing Norms for the Hearing out of Certain Tools",
I. 20 (ICOMTELES, Vol. 7, No. 3, Jan. 1973, Budapest, Hungary)

EC: Monthly List of East European Accessions, (ITAL), 10, Vol. 4,
No. 1, Jan. 1971, Uncl.

3A KUTIDZE, N.D.

Synthesis of disaccharides. VI. Synthesis of glucose-2-galactose. A. M. Gukhokidze and N. D. Kutidze (Zhurnal i Prikladnaya Khim. 22, 179-82 (1982)). Pentacetyl-galactose (117 g) and 581 g. PCl_5 heated 3 hrs. at 100° . distd. under 2 mm. (temp. not given). and the oily product treated with 10 ml. $AcOH$ yielded 46% 1-chloro-3-(trichloroacetyl)-3,6-triacetyl-galactose, m. $150-6^\circ$, $[\alpha]_D^{20} 10.4^\circ$ ($CHCl_3$). This (58 g.), in 400 ml. dry Et_2O satd. at 0° with NH_3 , kept 3 hrs. at room temp., chilled, filtered from the NH_4 salts, and evapd. gave 56% 1-chloro-3,6-triacetyl-galactose, m. $159-67^\circ$ (from Et_2O), $[\alpha]_D^{20} 29.1^\circ$ ($EtOAc$). This (16.2 g.) in 300 ml. Et_2O shaken 2 hrs. with 16 g. $AgOAc$, evapd., and the residue extd. with $CHCl_3$ and Et_2O , and the exts. evapd. gave 74% 1,3,4,6-tetraacetyl-galactose, m. 128° , $[\alpha]_D^{20}$ 11.7° ($EtOH$). This (12.5 g.) and 12 g. 2,3,4,6-tetraacetyl-galactose shaken 6 hrs. in $CHCl_3$ with 6 g. $ZnCl_2$, filtered, treated with 15 g. $FeCl_3$, and shaken 6 hrs., gave 81% 6-

(1,5)-glucoside-3,4(1,3)-galactose-methacrylate, m. 179° (from $EtOH$). This (20 g.) in 150 ml. $CHCl_3$ shaken 2 hrs. with 0.7 g. Na in 100 ml. $MeOH$, treated with 50 ml. H_2O , shaken, neutralized with 200 ml. $MeOH$ and 200 ml. Me_2CO , the residue treated with 200 ml. $MeOH$ and the un. amt. of filtered, evapd., and the residue extd. with the un. amt. of $MeOH$, and 40 ml. $AcOH$ added, gave 81% 6-(1,5)-glucoside-3,4(1,3)-galactose, m. $171-2^\circ$, $[\alpha]_D^{20} 42.6^\circ$ (H_2O); phenanthroline, m. 181° . Oxidation of the disaccharide with Fe dioxane, m. 181° . Oxidation of the disaccharide with the Ca water gave glucoside-2-galactonic acid, isolated as the Ca salt (from dil. $EtOH$). Hydrolysis of this with 5% H_2SO_4 gave galactonic acid, isolated as the Ca salt (from H_2O). Oxidation of Ca glucoside-2-galactonate with 30% H_2O_2 in the presence of Fe^{+++} gave glucoside-2-lysinate, m. $130-41^\circ$, $[\alpha]_D^{20} 5.4^\circ$ (H_2O); Asp salt, m. $147-9^\circ$. Glucoside-2-lysinate with Me_2SO in 50% $NaOH$ at 40° yields the calcium salt, by unstatd temp., $[\alpha]_D^{20} 14.712^\circ$, $[\alpha]_D^{20} -22.7^\circ$ ($CHCl_3$), after further treatment with 30% $AgCl$, H_2O , hydrolysis of the methylated product 2 hrs. at $80-100^\circ$ in 5% HCl gave 2,3,4,6-tetramethylglucose, m. $93-5^\circ$, $[\alpha]_D^{20} 84.5^\circ$.

over

anhydride, in 1.67 g., while the filtrate, treated with H₂O, water, with Pb(OAc)₂ and CaCl₂, gave C₁₈H₂₀O₆, 6-β-methyl galactonolactone, converted to the lactone of the free acid, [α]_D²⁰ +104.8°, changing to 24.8° in 2 min. in H₂O). Methylation of the lactone using to 24.8° in 2 min. in H₂O). Methylation of the lactone using to 24.8° in 2 min. in H₂O). Methylation of the lactone using to 24.8° in 2 min. in H₂O).

g.) in dry CHCl_3 treated at 10° with 0.9 g. Na in 200 ml. dry MeOH, shaken 2 hrs., then treated with 100 ml. H_2O , neutralized with AcOH, and the aq. alk. layer concd. gave 81% (1,3)-mannoside-2,3,6-tri-O-acetate, m. $141-3^\circ$. $[\alpha]_D^{25} -24.5^\circ$ (from dd. AcOH). Oxidation of this with Br water 3 days in sunlight gave mannoside-2-mannonic acid, isolated as the Ca salt (from H_2O). This, oxidized with H_2O_2 in the presence of $\text{Fe}(\text{SO}_4)_3$ and $\text{Ba}(\text{OAc})_2$ and treated with Ac_2O , gave *heptacetate of mannoside-2-oxosuccinic acid*, m. $147-8^\circ$ (from EtOH); the desacetylated product does not react with Fehling soln. nor with Tollens reagent. Mannoside-3-mannonic with MeSO_3H in 25% NaOH gave 5,6-*ala-Mannoside*, distillable at 2 mm., $n_D^{20} 1.4661$, $[\alpha]_D^{25} -13.6^\circ$. This, heated 3 hrs. in much 5% HCl and CHCl_3 gave 2,3,6-tri-O-acetylmannoside, m. $50-1^\circ$, $[\alpha]_D^{25} 27.4^\circ$; aniside, m. $143-5^\circ$, $[\alpha]_D^{25} -8.6^\circ$. The mother liquor, after sepn. of the tri-O-acetyl Mannoside deriv., oxidized with Br water 3 days in sunlight, yielded 3,6-tri-O-acetylmannosonic acid, isolated as the Ca salt (from AcOH), which with CO_2H_2 gave the *l*-lactone of 3,6-tri-O-acetylmannosonic acid, m. $95-6^\circ$, whose d-rotation changes very rapidly in aq. soln.: $[\alpha]_D^{25}$ 10.0 (10 min.), 130-40°.

KUTIDZE, N. D.

Gakhokidze, A. M., and Kutidze, N. D.- "The Synthesis of Disaccharides. VII. Synthesis of Mannosido-2-Mannose." (p. 247)

SO: Journal of General Chemistry, (Zhurnal Obshchei Khimii), 1952, Vol. 22, No. 2

SLAVOV, TS.; KUTIEV, T.

Some problems of correlation of prices. Trud tseni 6
no. 1: 27-38 '64.

BAIKUSHEV, Bozhidar; KUTIEV, Tasho

Influence of the prices of new varieties on the commodity
circulation at retail. Trud tseni 5 no. 8:67-78 '63.

S/124/63/000/003/009/065
D234/D308

AUTHORS: Kaplan, S. A. and Kutik, I. N.
TITLE: Radiation of magnetohydrodynamic and magnetoacoustic waves
PERIODICAL: Referativnyi zhurnal, Mekhanika, no. 3, 1963, 6, abstract 3B21 (Visnyk L'vivs'k. un-tu. Ser. fiz., 1962, no. 1 (8), 75-78 (Ukr.))

TEXT: The authors consider the radiation of magnetohydrodynamic (Alfven) and magnetoacoustic waves by an external source localized in a finite region of space. The intensity of the source is a harmonic time function. Dissipation processes are neglected. The plasma temperature is assumed to be zero, therefore there is no slow magnetoacoustic wave. The intensity of the radiated magnetohydrodynamic and magnetoacoustic (quick) wave is determined. / Abstracter's note: Complete translation. /

Card 1/1

S/058/63/000/003/025/104
A062/A101

AUTHORS: Kaplan, S. A., Kutik, I. N.

TITLE: On the emission of magnetohydrodynamic and magnetoacoustic waves

PERIODICAL: Referativnyy zhurnal, Fizika, no. 3, 1963, 6, abstract 3G41 ("Visnyk L'vivsk'k. un-tu. Ser. fiz.", 1962, no. 1(8), 75 - 78, Ukrainian)

TEXT: The propagation of magnetohydrodynamic waves is considered in the case where the source of oscillations is expressed in the form $\underline{F} = \underline{f}e^{-r^2/a^2 + i\omega t}$. Solving the equations of magnetic hydrodynamics, the authors obtain an expression for magnetohydrodynamic and magnetoacoustic waves. Expressions are obtained for the averaged-in-time intensities of the emission of the mentioned waves.

Yu. Mordvinov

[Abstracter's note: Complete translation]

Card 1/1

ACCESSION NR: AP4017034

S/0141/63/006/006/1129/1139

AUTHORS: Kontorovich, V. M.; Kutik, I. N.

TITLE: Mutual conversion of waves on a plasma boundary in a magnetic field

SOURCE: IVUZ. Radiofizika, v. 6, no. 6, 1963, 1129-1139

TOPIC TAGS: plasma, electromagnetic waves in plasma, plasma wave impedance, plasma wave impedance matching, plasma wave conversion, mutual plasma wave conversion, plasma boundary wave conversion, plasma wave resonance

ABSTRACT: The mutual conversion of longitudinal and transverse waves on an abrupt plasma boundary is considered in a weak magnetic field which is arbitrarily oriented relative to the boundary. The purpose of the research is to ascertain whether a narrow and sharp resonance, corresponding to matching of the wave impedances, is observed in this case in analogy with the mutual conversion of electromagnetic and sound waves (B. M. Kontorovich and A. M. Glutsyuk, ZhETF v. 41, 1195, 1961). A characteristic maximum of the angular

Card 1/2

ACCESSION NR: AP4017034

dependences of the conversion coefficient is found to exist and the frequency dependences of its position, height, and width are investigated, particularly in the resonance region. It is shown that in vacuum without a magnetic field all the conversion coefficients vanish, but the turning on of even a weak field makes wave conversion possible because of the appearance of transverse field components in the plasma wave. The authors are grateful to V. M. Yakovenko for useful discussions." Orig. art. has: 2 figures and, 27 formulas.

ASSOCIATION: Institut radiofiziki i elektroniki AN UkrSSR (Institute of Radiophysics and Electronics, AN UkrSSR)

SUBMITTED: 18Dec62

DATE ACQ: 18Mar64

ENCL: 00

SUB CODE: PH

NO REF SOV: 009

OTHER: 002

Card 2/2

L 43706-65 EWT(1)/EPF(n)-2/ENG(m)/EPA(w)-2 Pz-6/Pe-4/Pab-10/Pl-4 LJP(c)
 ACCESSION NR: AT5009756 UR/0000/64/004/000/0083/0084 Wt/AT/CS

AUTHOR: Kontorovich, V. M., Kutik, I. N.

TITLE: The problem of wave transformations at plasma boundaries within magnetic fields 21

SOURCE: Soveshchaniye po teoreticheskoy i prikladnoy magnitnoy gidrodinamike. 3d, Riga, 1962. Voprosy magnitnoy gidrodinamiki (Problems in magnetic hydrodynamics); doklady soveshchaniya, v. 4. Riga, Izd-vo AN LatSSSR, 1964, 83-84

TOPIC TAGS: plasma boundary effect, plasma wave transformation, magnetohydrodynamic wave

ABSTRACT: G. B. Field was the first to study the transformations of longitudinal plasma waves on the sharp plasma-vacuum boundary in the hydrodynamic approximation (Astr. J., 1956, 124, 555). The plasma was within a perpendicular magnetic field and was bounded by a wall. Consequently, in addition to the continuity of the tangential components of the electric and magnetic fields, one had to demand the continuity of the normal electric field component. A. H. Kritz and D. Mintzer (Phys. Rev., 1960, 117, 2, 382) dropped the "hard vacuum" requirement and discussed, for the case of no magnetic field, the wave transformation at the boundary between two

Card 1/2

L 43706-65

ACCESSION NR: AT5009756

plasmas at equal pressure, introducing the continuous normal velocity component and pressure requirements. In this brief note, the authors point out that the Kriz and Mintzer approach is applicable only in the case of small density discontinuities, and they discuss the modifications needed during the transition to a "hot vacuum" case. Plasma-to-electromagnetic wave conversion coefficients are given. Orig. art. has: 4 formulas.

ASSOCIATION: None

SUBMITTED: 11Aug64

ENCL: 00

SUB CODE: ME

NO REF SOV: 000

OTHER: 002

llc
Card 2/2

Popov's memory spurs us on to action, p. 97, RADIOTECHNIKA, (Magyar
Onkentes Honvedelmi Szovetseg) Budapest, Vol. 5, No. 5, May 1955

SOURCE: East European Accessions List (EEAL) Library of Congress,
Vol. 4, No. 12, December 1955

ACC NR: AT6034433

(A)

SOURCE CODE: UR/0000/66/000/000/0024/0027

AUTHOR: Larikov, L. N.; Zaslachuk, Ye. E.; Kutikhina, Zh. Ya.; Semonenko, N. M.

ORG: none

TITLE: Mechanism of softening of refractory metals

SOURCE: AN SSSR. Institut metallurgii. Svoystva i primeneniye zharoprochnykh splavov (Properties and application of heat resistant alloys). Moscow, Izd-vo Nauka, 1966, 24-27

TOPIC TAGS: metal softening, refractory metal, electron radiation

ABSTRACT: The article gives the results of a study of the kinetics and mechanism of the softening of deformed single crystals of rhenium, tungsten, and molybdenum. The single crystals, obtained by the electron radiation method, were deformed by rolling along the slip planes. Rhenium and molybdenum were rolled at room temperature, and tungsten at a temperature of approximately 200°C. Rhenium and tungsten were annealed at temperatures of $2100 \pm 20^\circ$ and $1600 \pm 10^\circ$ (W), and molybdenum at $1070 \pm 5^\circ$ C. The softening of the crystals during annealing was estimated by the change in the microhardness. Based on the experimental data, a figure shows the dependence of the microhardness of rhenium, tungsten and molybdenum on the duration of isothermal annealing. The difference in the behavior of rhenium and the other refractory metals

Card 1/2

ACC NR: AT603433

cannot be connected with differences in the melting points, since the melting point of rhenium is intermediate between the melting points of molybdenum and tungsten. The mechanism of the softening of deformed crystals is determined to a significant degree by the type of their crystal lattice. In the softening of metals with a densely packed lattice, recrystallization plays a large role. Metals with a body-centered cubic lattice are weakened to a large degree before recrystallization and, under particular recrystallization conditions do not recrystallize at all. It is shown that impurities and alloying elements exert an influence not only on the rate, but also on the role of the different physical processes in the softening of metals and alloys. Orig. art. has: 2 figures.

SUB CODE: 11/ SUBM DATE: 10Jun66/ ORIG REF: 012/ OTH REF: 002

Card 2/2

L 65041-65 EWT(m)/T/EWP(t)/EWP(k)/EWP(z)/EWP(b)/EWA(c) IJP(c) JD/HW

ACCESSION NR: AP5020692

UR/0185/65/010/008/0899/0905

AUTHOR: Larikov, L. N.; Zasyrchuk, O. E. (Zasimchuk, Ye. E.); Kutikhina, Zh. Ya.
44,55 44,55 44,55

TITLE: The effect of recovery on the recrystallization kinetics of deformed metals

SOURCE: Ukrayins'kyy fizychnyy zhurnal, v. 10, no. 8, 1965, 899-905

TOPIC TAGS: copper, nickel, molybdenum, niobium, tungsten, single crystal metal, polycrystalline metal, cold worked metal, metal recovery, metal recrystallization

ABSTRACT: The effect of low-temperature annealing on the course of recrystallization has been investigated. Single-crystal and polycrystalline copper and nickel were deformed heavily (80—85% reduction by rolling) or lightly (4—7% reduction by bending), and Mo, Nb, and W single crystals were deformed only lightly. The preannealing of lightly deformed Cu single crystals was done at 470—750C (400C for nickel) and the recrystallization annealing at 900C (600C for nickel); for heavily deformed Cu single crystals, the corresponding temperatures were 100—150 and 170C (100—200 and 320C for polycrystalline nickel). The experiments showed that preannealing of strongly deformed single-crystal and polycrystalline Cu and Ni had no effect on the recrystallization kinetics. In lightly deformed single crystals and polycrystals (especially in the latter after a very small deformation) the recovery caused by

Card 1/2

L 65041-65

ACCESSION NR: AP5020692

3
preannealing delayed or in some cases completely inhibited subsequent recrystallization. The delay or inhibition of the recrystallization of the investigated metals was found to be associated not with vacancies recovery but with grain polygonization. Single crystals of metals with a bcc lattice (Mo, Nb, and W), after deformation of 30% or more in the plane of easy slip, exhibited no recrystallization with subsequent annealing because of the polygonization and stability of the polygonized structure. Orig. art. has: 3 figures and 1 table. [15]

ASSOCIATION: Instytut metalofizyky AN URSR, Kiev (Institute of the Physics of Metals, AN URSR) 44.55

SUBMITTED: 01Feb65

ENCL: 00

SUB CODE: MM,SS

NO REF SOV: 007

OTHER: 007

ATD PRESS: 4.84

KUTIK A.

Collective of the Prokopyevsk Milling Combine has fulfilled its obligations. Muk.-elev. prom. 27 no.11:5-6 N '61.

(MIRA 14:12)

1. Glavnyy inzh. Prokop'yevskogo mel'kombinata.
(Prokopyevsk--Flour mills)

KUTIKOV, A.I.

General investigation of the deformation process for a two-dimensional problem. Trudy KAI no.62:5-18 '61. (MIRA 17:2)